

IN THE CLAIMS

Claim 1. (currently amended) A projection-type display device, comprising:

a light source;

a spatial light modulation element that modulates incident light according to an applied image signal and that emits the modulated light;

an illumination optical system that condenses light from said light source and that illuminates said spatial light modulation element;

a projection lens that projects light emitted from said spatial light modulation element;

shielding means that is positioned along a path of light on a side of either said illumination optical system or said projection lens with respect to said spatial light modulation element and that varies an amount of shielding of transmitted light; and

image signal correction means that divides a picture plane of said spatial light modulation element into a plurality of areas and that performs a three-dimensional correction on said image signal applied to said spatial light modulation element in accordance with a current shielding amount of said shielding means for each of said plurality of areas;

wherein the three-dimensional correction includes a white balance adjustment and a gamma correction.

Claim 2. (currently amended) The projection-type display device according to claim 1, wherein

said image signal correction means performs said three-dimensional correction for each of said plurality of areas in accordance with an output level characteristic of light in each area with respect to an application level of said applied image signal and in accordance with the current shielding amount of said shielding means.

Claim 3. (currently amended) The projection-type display device according to claim 1, further comprising:

storage means that stores a plurality of correction data sets in accordance with the current shielding amount of said shielding means,

wherein said image signal correction means performs said three-dimensional correction, referring to the correction data in accordance with the current shielding amount of said shielding means in said storage means.

Claim 4. (currently amended) The projection-type display device according to claim 2, further comprising:

storage means that stores a plurality of correction data sets in accordance with the current shielding amount of said shielding means,

wherein said image signal correction means performs said three-dimensional correction, referring to the correction data, in accordance with the current shielding amount of said shielding means in said storage means.

Claims 5-22. (canceled)